

Northwestern University Medical School



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Robin L. Hornung, MD, MPH
Assistant Professor

0639 '99 JUL 12 A8:16

July 9, 1999

W. Howard Cyr
Dockets Management Branch (HFA-305)
Food and Drug Administration
5630 Fishers Lane, Rm. 1061
Rockville, MD 20852

Dear Dr Cyr:

We are writing in response to a solicitation on the Sunprotection Listserv requesting information on recent studies concerning sunlamps, recommended exposure schedules, and the like. We believe that our recent study may be of great interest to you.

The purpose of our study was to investigate community tanning facility usage, with a particular focus on what extent patrons may be exceeding FDA recommended exposure limits and to quantify how much UVB and UVA they are exposed to during regular usage.

The study was a community-based survey of tanning facilities and their patrons throughout the state of North Carolina. Salons were invited to participate as part of their regularly scheduled state inspections over a six-month study period. A random sample of ten patron records were chosen at each site, and evaluated via a survey instrument consisting of 12 items assessing tanning facility characteristics and 8 items assessing patron behaviors. UV measurements were obtained using the Solar Light PMA2100 UV meter with UVA and UVB detectors.

We are just finishing our final data analyses and will be writing and submitting our manuscript for publication soon. Briefly, we would like to share some of our pertinent findings: the majority of tanning patrons are not following the FDA exposure schedules (95%), and approximately one-third of the patrons are *starting* their tanning at the maximum exposure limits. Average UVA output in the tanning systems was 19.2 mW/cm² (range 1.77-67.40), while average UVB was 6.0 MED/hr (range 2.1-14.0).

We have more data, but will not elaborate here as we are planning on submitting this for publication soon. Clearly, this study indicates a need for future educational interventions to increase the knowledge of both tanning patrons and facility operators in order to comply with recommended exposure guidelines. There may also be a need to further establish enforcement of these safety recommendations.

We thank you for your interest in this research. Please feel free to contact us if you have any questions or if you would like additional information about this study.

Sincerely,

Robin L. Hornung, M.D., M.P.H.

Lori A. Hansen, Project Coordinator
Phone: 312-503-1548

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Health Services
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Fax Cover Sheet

Date 7/9/99
Time 10:20 PM
Pages 2 (including this sheet)

To: FDA Dockets
RE: Sun Lamp Labeling
Fax #: 301-827-6870

From: R. Hornung, MD
Fax #: 312-503-2936

Comments: Enclosed is a letter regarding a study we
did which may pertain to the
Sun lamp Labeling issues.
- R. Hornung

If you do not receive all of this transmission, please call 312-503-2937

For Office Use Only:	Fax Transmittal Complete: <input type="checkbox"/> Yes <input type="checkbox"/> No	Initials:	Time:
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